

ABSTRACT

A rear axle suspension for a highway truck that includes a pair of trailing arms suspended below a frame by a pair of hanger brackets. The hanger brackets define a pivot axis for the trailing arms. A supplemental axle locating member is attached to the axle and includes an extension member that is engageable with a bracket held by the frame. The hanger brackets are laterally compliant and each comprise an inner and outer plate, one of which is bent outwardly to define a gap within which an associated trailing arm is mounted. A moment canceling member extends between the hanger brackets and resists outward bending of the brackets. A height control valve is operated by an operating rod having an axis that passes through, or in close proximity, to the roll center of the vehicle in order to reduce ride height errors.